

Tech five tops Trinity; Wesleyan also victimized

By John Kopelow

Tech's varsity basketball team launched its 1966-67 campaign with triumphs over Trinity and Wesleyan, but in both the 76-75 squeaker at Hartford Thursday and the 77-63 conquest of Wesleyan Saturday, the Beavers appeared to have left a good deal of room for improvement.

MIT seemed likely at first to rout a Trinity squad which couldn't hit anything from the field. Junior Dave Jansson's sharp shooting and senior Bob Hardt's aggressive rebounding were more than enough to overcome the poor night that afflicted senior Alex Wilson. Though building up a twenty point lead late in the first half, the Beavers began to become confused by Trinity's sagging zone defense and by half-time, with four points whittled off that lead, they were ahead 46-30.

Trinity's comeback gained momentum quickly in the second period. Led by senior Don Overbeck, their shooting was just as hot in the second half as it was cold in the first. Hitting with un-

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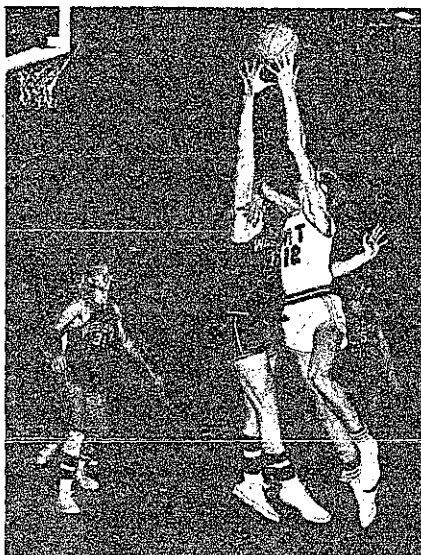


Photo by Jeff Reynolds

Reserve forward Alec Bash '68 goes in for a hook shot over the fingertips of a Wesleyan defender. Bash rebounded aggressively in the 77-63 win.

MIT - RPI

Saturday Cage 8:15 p.m.
Faculty-BMOC Game
Followed by Sock Hop

Housing conference studies future

By Bob Horvitz

The "Foxhole Theory of Undergraduate Residence," whereby students retreat to their individual living groups for relief from the daily "war" here at the Institute, was one of a number of ideas discussed at the all-day Institute Committee Housing Conference held Saturday.

The "Foxhole Theory," which was proposed by Chief Psychiatrist Dr. Benson Snyder, implies that the nature of MIT's residential system necessarily fails to provide any real connection between a student's housing and his total education. In fact, it seems as if many students use their residences as retreats from the academic environment of the Institute.

Move closer?

Discussion at the conference revealed a number of possible methods of revamping MIT's residential system to help alleviate this problem. First, long-range housing plans might include methods of providing residences for a greater number of students closer to the Institute. Both the construction of additional dormitories and the moving of all fraternities to Cambridge were considered towards this aim.

However the question was raised as to whether such changes would really solve the problem. For example, would students currently living in apartments be willing to move back to on-campus residences, even if these provided cooking and all other advantages of independent living.

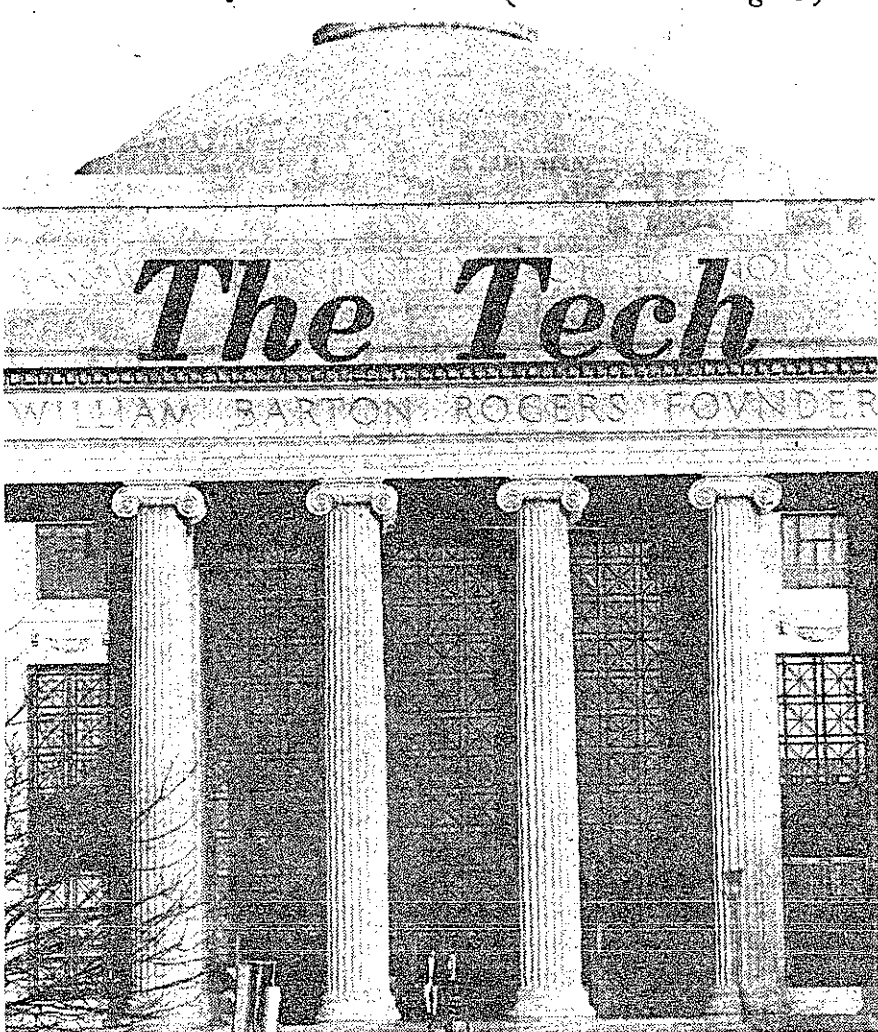
No solution

Some students thought not. "There will always be those who

like to retreat away from campus," explained Steve Douglas '67.

A second possible solution to the problem of the "Foxhole Theory" was presented. Residences might be set up according to student's academic areas of study. For example, all course VI majors might live in an Electrical Engineering House. This proposal met with considerable student opposition.

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Vol. 86, No. 50 Cambridge, Mass., Tuesday, Dec. 6, 1966 5c

Faculty spotlight

Houghton studies clouds

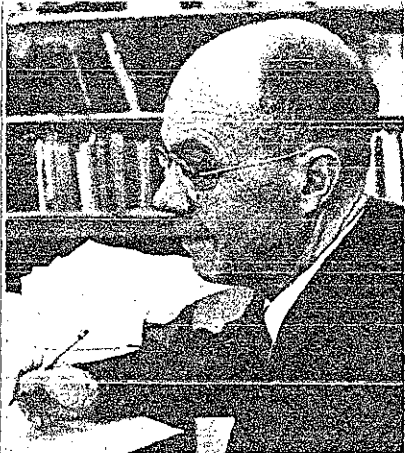


Photo by Jeff Reynolds

Dr. Henry Houghton, Head of the Meteorology Department.

By Dave Kaye

For a professor of meteorology to assert, "I never took a course in meteorology in my life," is somewhat surprising. If that individual is also the head of MIT's Department of Meteorology and past president of the American Meteorological Society, the statement seems shocking. Yet, Dr. Henry G. Houghton did not become involved in meteorology until he had completed his graduate work in electrical engineering at MIT.

Started in EE

In 1928 Dr. Houghton became a research assistant in the Department of Electrical Engineering. As he phrases it: "I'm a Course Six man; I never had any doubt that I was going to be an electrical engineer." Particularly interested in communications, he began investigating navigational

aids in fog. This soon led to research into the fundamental physical properties of fog, apparatus and methods for measuring fog particles, and the transmission of light and infra-red radiation through fog and clouds. These studies led to the development of a method for artificially dissipating fog over local areas by the use of calcium chloride spray.

Led him to meteorology

These studies also led Professor Houghton into the field of meteorology. Referring to that phase of his career, he states: "In due course, when the research down there was terminated, I made the decision that I wanted

to continue the work in this field, and I joined the meteorology group." Since then, Dr. Houghton has become widely known for his contributions in cloud physics and atmospheric radiation. He is a recipient of the Charles F. Brooks Award of the American Meteorological Society to receive the first Robert M. Losey Award for outstanding contributions to the science of meteorology as applied to aeronautics.

Active in teaching

It is interesting to consider Dr. Houghton's comment that "At one point I was sure of two things

(Please turn to Page 3)

Rapid growth continues

6 new buildings underway

By Steve Carhart

When will big, busy MIT ever stop growing? Not soon, at any rate, as is evident from looking at all the new buildings currently under construction around the campus.

Continual Education

One of the most visible of the new additions to the physical plant is the Center for Advanced Engineering Studies which is being built just north of the main buildings on Massachusetts Avenue. The Center, tentatively scheduled for completion in October of 1967, is designed for engineers and scientists who will return from industry to study new advances in their fields and thus keep pace with our exploding technology.

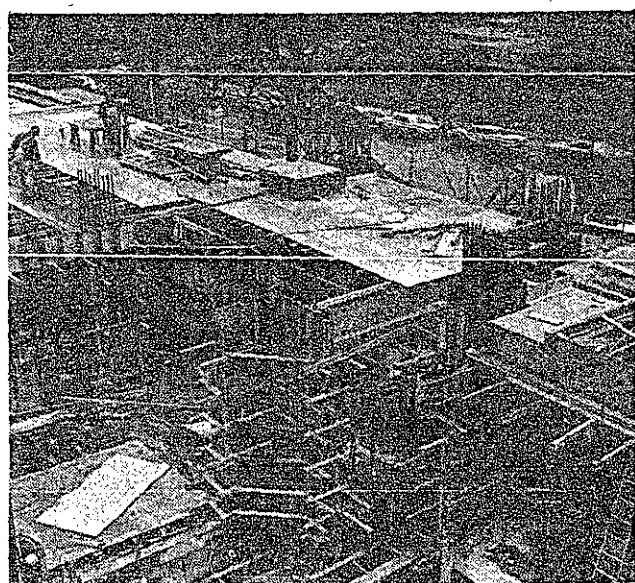


Photo by John Roderick

The Center for Advanced Engineering Studies, being financed by the Sloan Foundation and the Department of HEW, will attempt to keep engineers abreast of the latest developments.

Consolidation of Space Research

Meanwhile, over on Vassar Street two interesting additions to MIT are going up next door to one another. They are the Center for Space Research and the Computation Center. Both will probably be completed sometime during the fall of 1967.

The Space Center will bring under one roof all the space-oriented activities which have been constantly cropping up in each of the various departments. This will mean that many classes and research projects will be moved from the buildings of the department sponsoring them into new quarters in the Center.

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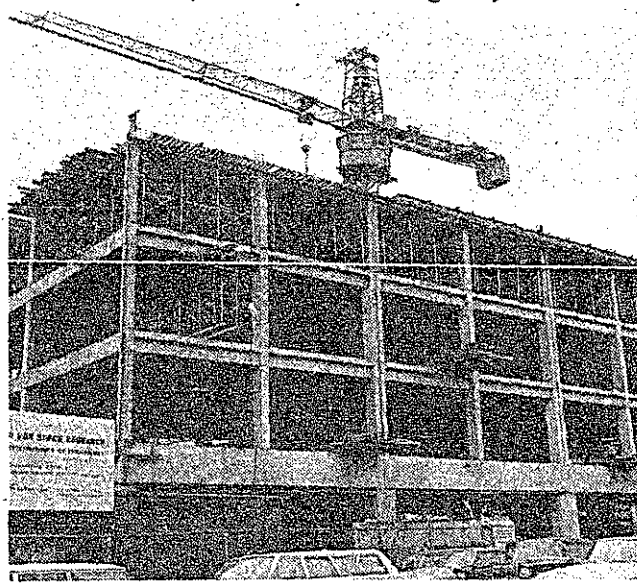


Photo by John Roderick

The Center for Space Research will house research on topics ranging from cosmic rays to propulsion to lunar geology and the effects on "emprisoned" men.

Selection based on exams

Army ROTC appoints McPherson commander

The Army ROTC cadet organization at MIT assumed battalion strength for the first time since 1962 as Cadet Lt. Col. Jimmie C. McPherson '67 took command Thursday. His appointment by the Professor of Military Science, Lt. Col. Jack Shields, culminated two

months of competition between cadet seniors for the top position.

Basis For Appointment

The decision was based on a practical exam, a written exam, and an appearance before the Military Science Review Board. The Board took into consideration MIT and Military Science scholastic achievement, summer camp performance, and interest in the ROTC program. In addition the Board gave an oral examination over a wide range of topics.

Other members of the battalion staff are Cadet Major Richard Simpson '67, executive officer; Cadet Major John Reynolds '67, operations officer; Cadet Capt. John LaBrecche, personal officer; Cadet Capt. Donald Partridge, supply officer.

Other Appointments

On the basis of a written exam and a practical examination which consisted of drilling a platoon of juniors, the Military Science Staff selected the following juniors for company and platoon leadership positions; company commanders, Randy Brack and Robert Wyatt; company executive officers, Richard Smith and Ray Boxman; platoon leaders Robert Jacobus, Robert Eden, Philip Jhin and George Claffen.

Engineering Libraries to hold amnesty days

The MIT Engineering Libraries will hold amnesty days Thursday and Friday, December 15 and 16. On these days no fines will be collected for overdue materials.

The amnesty days will be observed at the Engineering Library in Building 10, Materials Science Reading Room in Building 13, the Aeronautics and Astronautics Library in Building 33, and the Space Center Reading Room.

Killian named trustee of Washington Univ.

Dr. James R. Killian, Jr., chairman of the corporation of MIT, has been elected to membership on the board of trustees of Washington University in St. Louis. His election was announced by Dr. Charles Allen Thomas, chairman of the University's board of trustees.

For a number of years, Dr. Killian has been a leading spokesman for educational innovation and curriculum reform, especially in pre-college schools. He has also strongly supported bringing new quality and modern methods into humanities education along with new quality in science education.

Second girls' tower rises

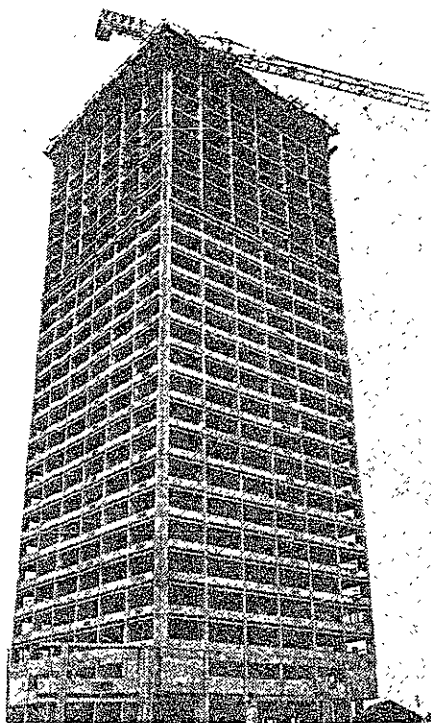


Photo by John Roderick

Eastgate should be ready for partial occupancy by September. It is expected that Eastgate will be filled as soon as it is opened.

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(Continued from Page 1)
Lack of enough computer time for the many users of MIT's computer facilities is a problem that will hopefully be eliminated by the new Computation Center. Tentatively scheduled for completion near the end of 1967, the new Center will house MIT's new IBM System 360/67. The new computer will be a time-sharing type which will replace the Institute's IBM 7094.

New Dormitories

Although Eastgate, McCormick East, and the new Albany Street parking garage represent no possible sources of great technological progress, their existence should make life a lot easier for substantial portions of the Tech community. Partial occupancy is expected for Eastgate by next September; when full occupancy is achieved, the new structure will house 204 married couples, of which fifty will be faculty. McCormick East is scheduled to open in January of 1968, and should allow the doubling of the Tech coed population.

Attempting the impossible Albany Street is the site of MIT's new parking garage, which

is, of course, already being used to capacity. Over 400 cars daily make use of this new attempt to solve the unsolvable parking problem.

One other addition to the campus is currently beginning to be built, but its unglamorous nature has the effect that few people are aware of it. Across the street from the Space and Computation Centers is a building many students will one day be thankful for — the Central Refrigeration Plant.

Next spring will see work will begin on the new chemistry labs in the court around building 54, and beyond that lies the construction of the new super-dormitory west of Burton House.

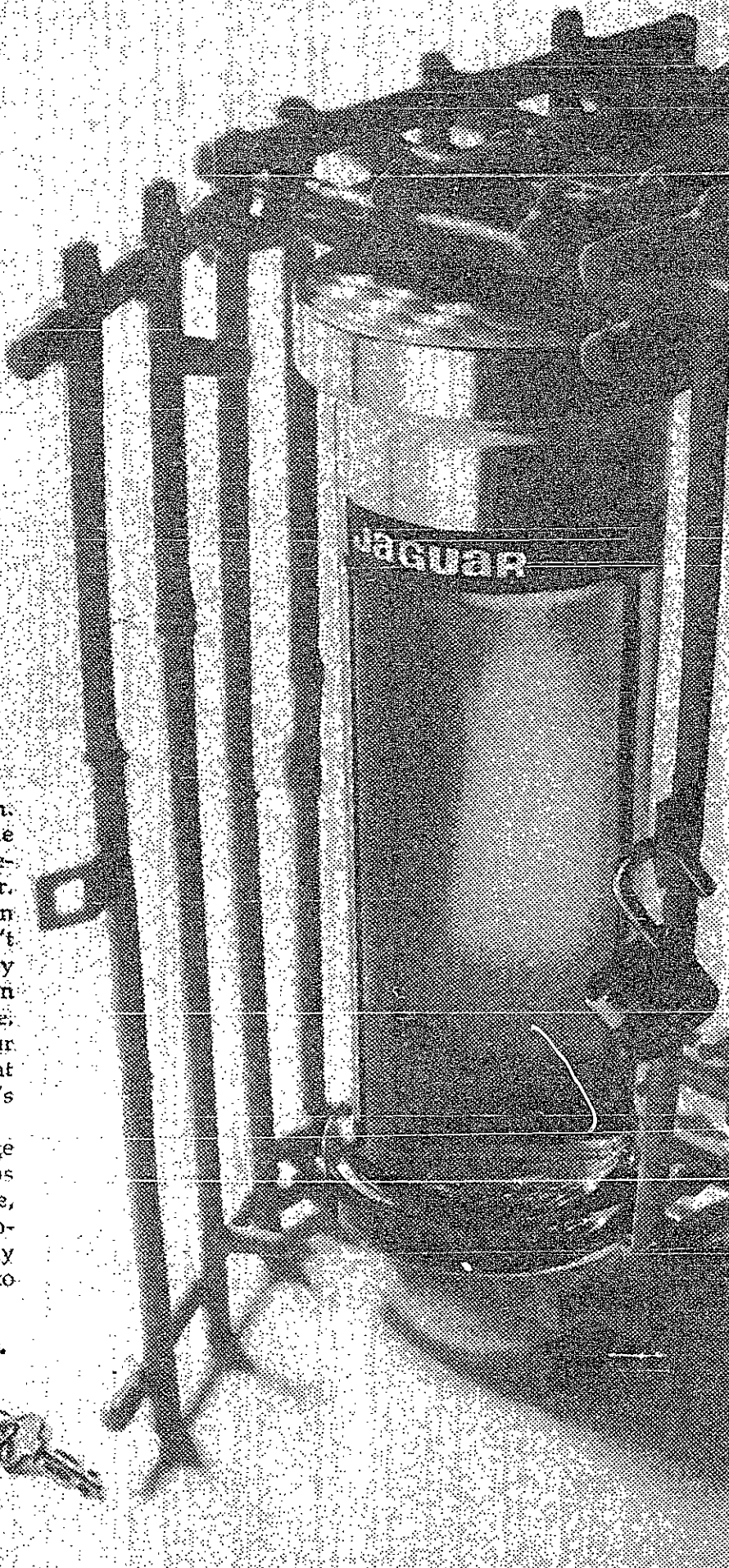
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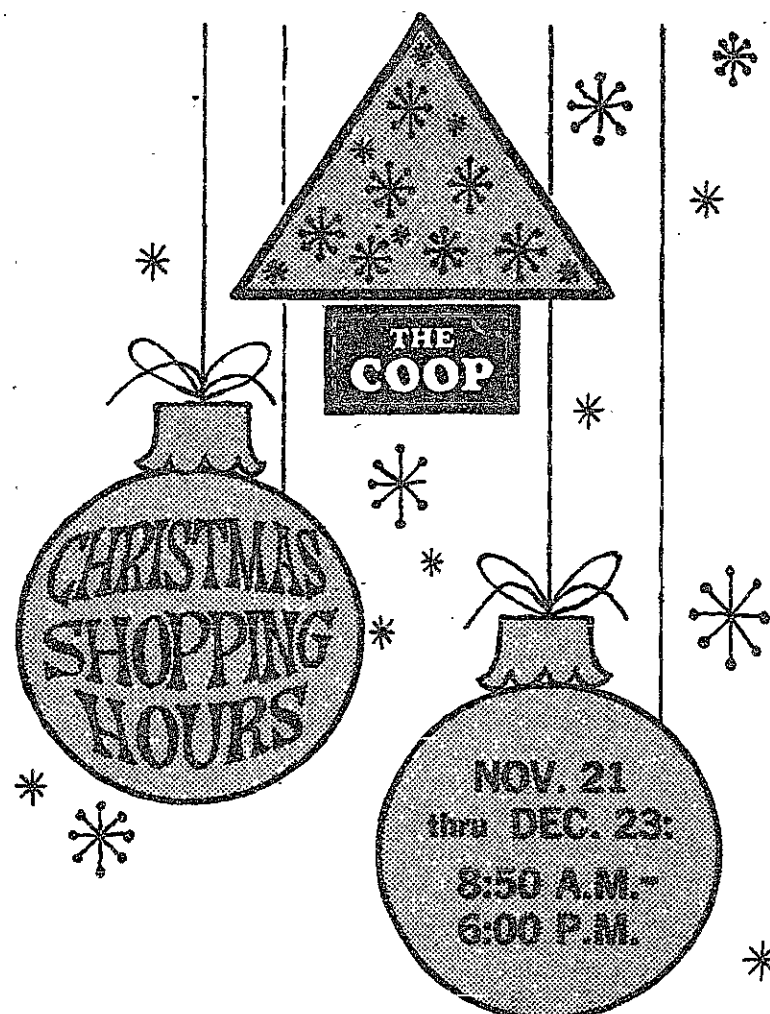
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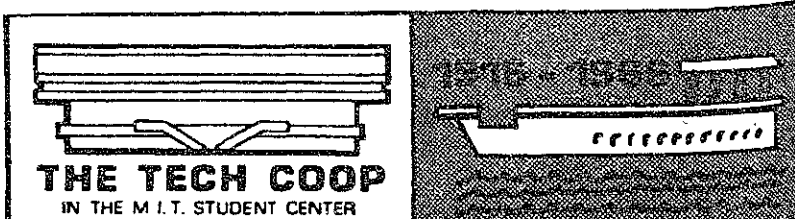
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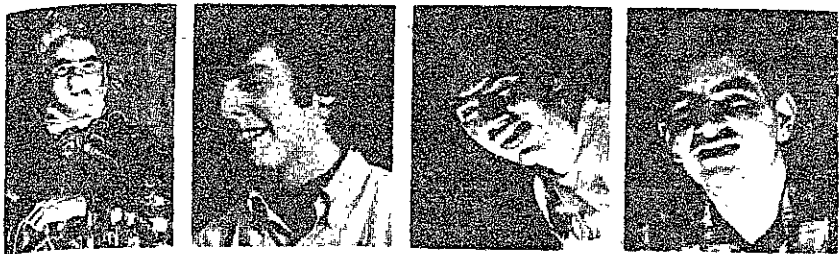
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Melvyn Basan Charles Lavine Dave Pack Erwin S. Strauss

By Dean Roller

Melvyn Basan '69 of Burton House has also carried on a strong publicity campaign, including drop posters in the lobby of Building 10 and huge computer print-outs.

Dave Pack '68, from Senior House, has already collected some \$20 toward his total. Charles Lavine '69 of Baker House has also carried on a strong campaign to win the title of UMOC.

All four candidates are now confident of victory.

Voting for the ugliest man will be held in the lobby of Building 10 starting today and lasting until Friday of this week. Votes may be cast only by purchasing ballots at one cent apiece.

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New dormitories planned

More on-campus housing forecast

(Continued from Page 1)

A third alternative implied bringing MIT to the "foxhole" by scheduling small classes (such as seminars) in individual living groups. These might even be centered around meals to further add to the informality of the situation.

Although this plan would have the disadvantage of not providing students with contacts with those from other living groups, it was felt that this problem was outweighed by the increased personal student-faculty relations possible. Also, since this arrangement could only be for a few appropriate courses, students would still meet others in their remaining subjects.

This program will be instituted on an experimental basis next term. For example, professors will probably meet with students in their living groups once weekly for 3 hours at a time.

Also discussed at the housing conference was the long-range future of fraternities and dormitories. With the construction of MacGregor Dormitory and the establishment of a dormitory "rush," it seems as if the nature of these two living group types is becoming much closer. However, it was agreed that even with such changes, dormitories would never

really be able to replace the fraternity system.

Plans for future dormitory accommodations were also considered. For example, East Campus might be either closed or renovated; Ashdown House might be used for further undergraduate housing; and new dormitories, in addition to MacGregor, might be constructed on the eastern and/or western portion of the campus.

Houghton wanted to avoid teaching, administration

(Continued from Page 1)

I didn't want to do. One was teaching, and the other, becoming involved in administrative work."

For the past 21 years, however, Professor Houghton has been head of the Department of Meteorology and what he calls "a part-time professor." As department head, it is inevitable that he should find himself "pushing papers," but Professor Houghton believes that "As long as I'm at MIT and our business is education, I want to be a part of it." As a result, he remarks, "I behave like a professor part of the time." Professor Houghton currently teaches the courses 'Physical Meteorology' (19.72), 'Physical Oceanography' (19.83), and the 'Meteorological Seminar I' (19.91).

Considering his own career, Dr. Houghton suggests, "This is not the most efficient way to become a meteorologist." Nonetheless, he is of the opinion that "If you have a reasonable background in science or engineering, you

have considerable mobility." His belief that what is significant is "the method of thinking about problems rather than the particular subject matter," is crucial to his educational philosophy.

Finds time for research

In addition to his role as department head and professor, Dr. Houghton also finds time for "a little bit of research." For example, he is currently undertaking a careful analysis of rainmaking. Yet another of his interests is indicated in that he was instrumental in the formation of the National Center for Atmospheric Research in Boulder, Colorado, in 1959, and served as first chairman of its board.

For an individual with no formal training in meteorology and no contact with the field until his post-graduate years, Dr. Houghton has certainly done rather well in that field. Perhaps this reflects the truth of his claim that, to a large extent, "meteorology, like electrical engineering, is simply applied physics."

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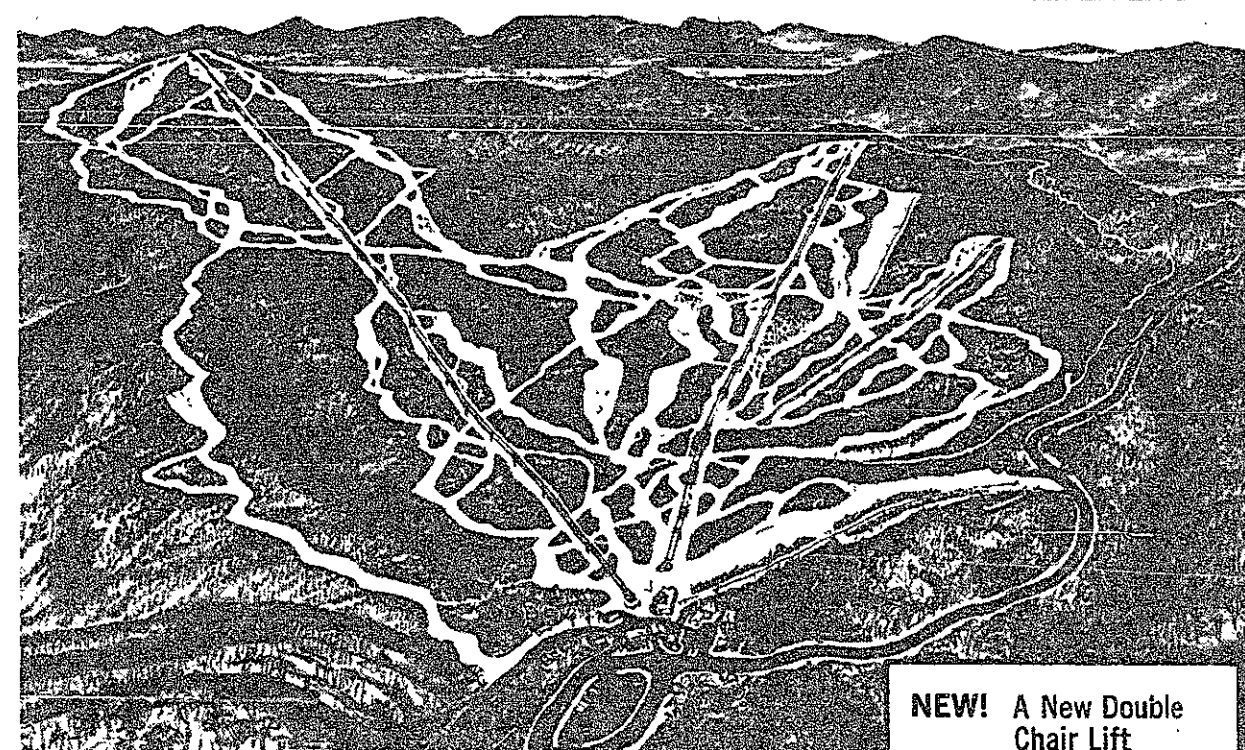
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Dialogue

College administrators all over the country seem to be worried that their campus political groups are too 'activist'. We're worried that MIT's political groups aren't active enough to have any significant influence on this campus. The two most effective groups we do have are the MIT students for a Democratic Society and the MIT Young Americans For Freedom.

Last spring, in the hope of initiating a dialogue, we printed the Viet Nam views of representatives from these two groups in the form of guest editorials. It didn't work. So last week we printed the YAF's letter in the hope that their challenge would lead to a series of well thought out and seriously run debates on the issues which separate the SDS and the YAF.

We hope the SDS will accept the invitation. It's time for students on both the right and the left to stop talking to people who already share their views, and start talking to the community. A reasonably run debate between the SDS and YAF on topics of interest might be the best possible form of presentation for both sets of ideas.

THE TECH

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Inside Incomm

Three delegates to be chosen for Vietnam-Draft Conference

By Frank March, UAP

The Institute Committee has plans to send three delegates to a Conference on Vietnam and the Draft. The conference will be held at Cornell University on February 3, 4 and 5. Persons interested in attending the enclave should obtain an application blank from the Incomm Office and return it this week. Interviews will be held before Christmas. The Institute Committee will, of course, pay for transportation, food, lodging and any administrative expenses.

Activities issued booths in Building 10 lobby are urged not to block traffic there at any time. Special care should be taken between classes and at lunch hour to avoid congestion.

Dormcon office

The dormitory Council has requested office space in the Student Center. As the Council is an association of living groups, and not an activity, the Institute

Committee, not the Activities Executive Board, will be in charge of space assignment. This will be one topic of discussion at the Dec. 15 Incomm meeting.

The Husky Key of Northeastern U. is sponsoring its annual Turtle Trot to determine the quickest young turtle in the area. Those interested in the Dec. 18, 19 contest should contact the Husky Key.

Boston Council

The Boston Intercollegiate Council has plans to join forces with an intercollegiate newsletter now in the process of being formulated. The newsletter would serve as a public relations medium for the Council and could reinforce, by editorials and news reporting, the actions of the Council. Incidentally, an additional avenue which the Boston Council may investigate is having the hours of the MBTA services extended.

Letters to The Tech

Reserve tickets

To the Editor:

As one of those people who stood in line for tickets to Marat/Sade, I would like to extend my sympathy to 'MIT's only expert in 20th century German literature.' It certainly is a shame when a professor can't get tickets by pulling strings. I trust that in the future the LSC will lay aside 1/2 to 2/3 of the tickets to events of this nature for those whose 'special interest' doesn't extend to standing in line.

Alan B. Hayes '67

Protestations

To the Editor:

I should like to protest the unreasoned cacophony found in the lobby of building 10. The use of music reproducing devices by any group who has need of them should be continued, however, I would suggest that the leaders of these groups should decide among themselves: whose music should be heard at what time.

I think the use of music is an important advertising and educational asset as it is usually presented, but its use this last week served neither purpose. Many of us were only motivated to pass through as quickly as possible.

The East-West music war is really asinine. The leaders of all groups concerned should have enough sense to know this and to stop the 'ear pollution.'

In regard to the political speakers who have attracted audiences in building 10, I would suggest that they please move back toward the windows so as not to allow their listeners to block the passageway through the building. I welcome their enthusiastic protestations and I realize the necessity of a warm place to take a stand, but I would ask that they do not obstruct the passage of individuals who do not or can not choose to listen.

As for the Student Center Library problem, I would ask that the librarians not be forced into

being policemen against their will, although perhaps it is idealistic to expect that the slobbs should control themselves. The present loose structure of the library is an asset. Most of us are above high school age and should appreciate what 'good sense' means. Since your editorial I've noted fewer marks of the slobbs. Let's hope all marks will disappear with time.

Steven Pecsénye '69

Discontent

To the Editor:

I'm writing this letter in the hope that the discontent I express will be recognized and acted upon by our student body. My concern is not so much for myself as for many of my friends who are now brothers of fraternities, and for those freshmen who will become MIT's fraternity men of the future.

Strangely enough a large number of MIT brothers who I've talked with are opposed to the fraternal philosophy as they've understood it at MIT. They are violently opposed to the methods and ideology of rush as well as the general 'fraternity attitude' which they would attribute, in a large degree, to the competition brought about by MIT's rush system.

When speaking about students who are not yet brothers, I am forced to generalize (I believe accurately) from the first hand knowledge I do have. I can only hope that what I say can be refuted for as many houses as possible.

It is my contention that due to the philosophy of rush week it is impossible for an incoming student to make an accurate appraisal of a fraternity. I also feel that until a student becomes a brother, that is until after he has pledged, he is being deceived. In fact rush as practiced at MIT is in many cases immoral and in some cases even illegal.

It appears self-evident to me that we are in need of a com-

prehensive re-evaluation of our fraternity system.

Michael Albert '69

Wheaton women

To the Editor:

While I do not take kindly to moral lectures from people who do not have the courage to sign their names, we are always happy at Wheaton to discuss the way the College is operated.

I should like your concerned young man and any other interested parties to know that the rules and regulations are not made by the administration but are made by a strong and effective College Government Association. The letter will be turned over to them, but I doubt that they will recognize themselves in the frustrated young man's letter which follows:

W.C.H. Prentice
President, Wheaton College

Dr. Prentice
President, Wheaton College
Norton, Mass.

Dear Sir:

It hardly seems possible that the women students of your college must constrict their standards to those of a "group" of sexually frustrated Elizabethans who happen to be the financial bullwarks of Wheaton. I am referring, of course, to your outmoded and overly-molded curfew system which, after 1:00 a.m., is more reminiscent of Check-Point Charlie than a women's dormitory. I suppose, however, that it is much safer for a girl to register in one building and have a stalwart, brave, upright, decent, and pure guard escort her to another building, which just happens to be on the other side of the campus, than to have the girl's morally corrupted date drive her to her dorm door.

Perhaps this method of registering after 1:00 a.m., although ludicrous itself, is not as important as the curfew system

employed in nearly all private women's schools, including yours. You pride yourselves in the "honor system," and in most cases would stake any integrity on it; yet you refuse to allow your students to fully partake in a total honor system, which would include private choice of returning, departure, and sleeping times, by using a punishment system as the motivation for your evening moral code.

(Haven't you heard of positive reinforcement, Walden, too?) To me, that system reeks of hypocritical immaturity. Are you interested in producing a "Wheaton Woman" by confining her to your campus a great fraction of the day, or are you really concerned with producing a real woman? Your methods compel me to believe the former.

I would sincerely like to see your administrators stop trying to breast-feed "your" students with their Starlac of distrust and give them the chance to sever an already withered umbilical cord.

A socially concerned
MIT Senior

P.S. To avoid incrimination of one of your students, I shall remain anonymous.

Jewish rights

To the Editor:

The help of the MIT Community is once again needed. The Jews of the Soviet Union are facing gradual strangulation. Russia is systematically depriving them of the cultural, religious, and even human rights which they allow all other groups, and which Soviet Jewry desperately desires. Only Jews are forbidden to study abroad, for example, and only Jewish prayer books and Bibles are denied publication. Soviet newspapers conduct systematic attacks against Jewish citizens and institutions; they implicate and ridicule whole families for imagined economic crimes. Syna-

gogues have been closed or mysteriously burned, and even the blood accusation has been revived in some areas.

The argument that Russian Jews are not interested in Jewish culture or religion is false. Thousands of Jews gather in the street before the Moscow synagogue every year at the Rejoicing of the Law—the one time they do so without fear of economic reprisals. The few concerts given by Israeli performers are filled to capacity. And visitors to Russia repeatedly tell of the concern Jews there express for their future. Soviet Jews ask only for the rights that Russia grants every other religious or cultural denomination, rights guaranteed to them by the Soviet Constitution.

Three years ago the MIT Community joined with other Boston schools and circulated a petition to the Soviet government expressing concern for Soviet Jewry. This year Americans across the country are holding simultaneous programs on December 11, Human Rights Day. The student organization in Boston has planned, as part of the Boston rally, a silent protest march beginning at 1:00 p.m. that Sunday from the Public Gardens. Russia is influenced by world opinion; they recalled the antisemitic 'Judaism Without Embellishment' because of it. This December 11th march is the time and place for the MIT community to show its concern.

Howard Smith '69

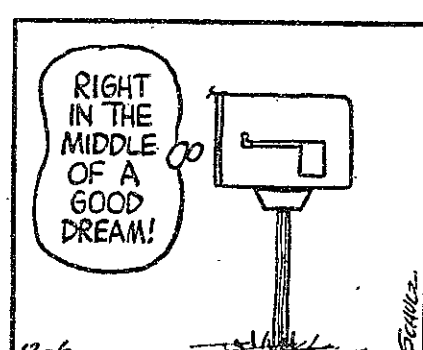
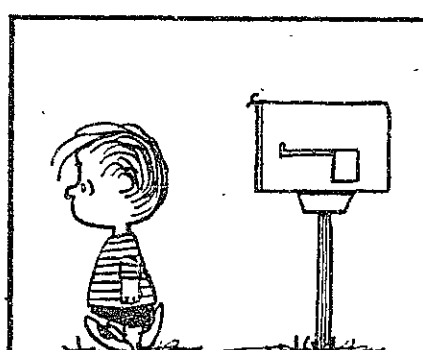
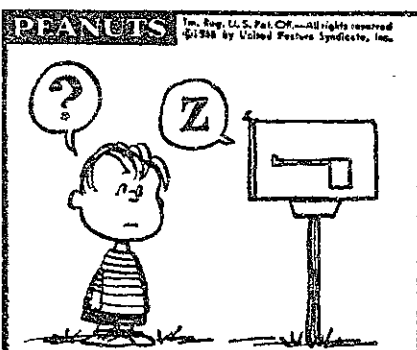
Staff problem

To the Editor:

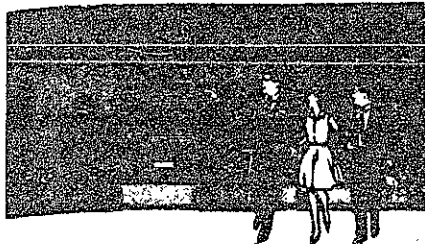
Just an unimportant friendly little gripe concerning our steadily improving Music Department here at Tech.

Instructors in music courses are forced to waste their time in class drawing musical staves on the board with rulers and chalk. If the Institute is completely against painting lines on the blackboards of rooms like 2-190 (used for 21.81), perhaps those in charge could be convinced to obtain a device in which eight pieces of chalk are placed. These five equally spaced pieces of chalk can then, with a quick flick of the wrist, create a musical staff in no time flat!

Don Berliner '67



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Kaufman chess victor wins American Open

Larry Kaufman '68, Course XIV major, won the American Open Chess Tournament in Santa Monica, California, over the Thanksgiving vacation.

Out of a field of 130 players he tied for first with Master Kirby, as both had won 7 games out of 8. Kaufman won the tie break. Usually the tournament is won by someone of International Master status.

Kaufman has also won the titles of Massachusetts and Eastern Intercollegiate championships. He is

Theta Xi starts program

SSC hospital projects undertaken

Twenty-five brothers of Theta Xi fraternity joined forces with BU's Theta Phi Alpha sorority in a volunteer aid project at Boston City Hospital Saturday. The project was arranged through Theta Xi's Vice President Fritz Efaw '68 and MIT Social Service Committee president Bob Ferrara '67. Saturday's project included washing walls and woodwork in the surgical wards of the hospital. This was the first project of its type this year, and received considerable publicity on television and in the Boston newspapers.

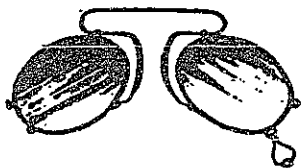
Last year Phi Delta Theta participated in a similar work program.

Boston City Hospital is a publicly operated facility of limited funds and depends to a large extent upon volunteers. Miss Ryan, the director of the hospital volunteer office, announced the inauguration of a new, widely expanded volunteer program. There will be a meeting tonight at 7 p.m. in the Thorndike Building of the Harvard Medical Building to explain the program. Department officials will discuss the opportunities in all aspects of hospital work.

Groups or individuals interested in further information should contact Miss Ryan, at 424-5348, or the Social Service Committee.



Fritz Efaw '68 (foreground) and Pete Leventi '70 clean Boston City Hospital during Saturday's Social Service Committee project.



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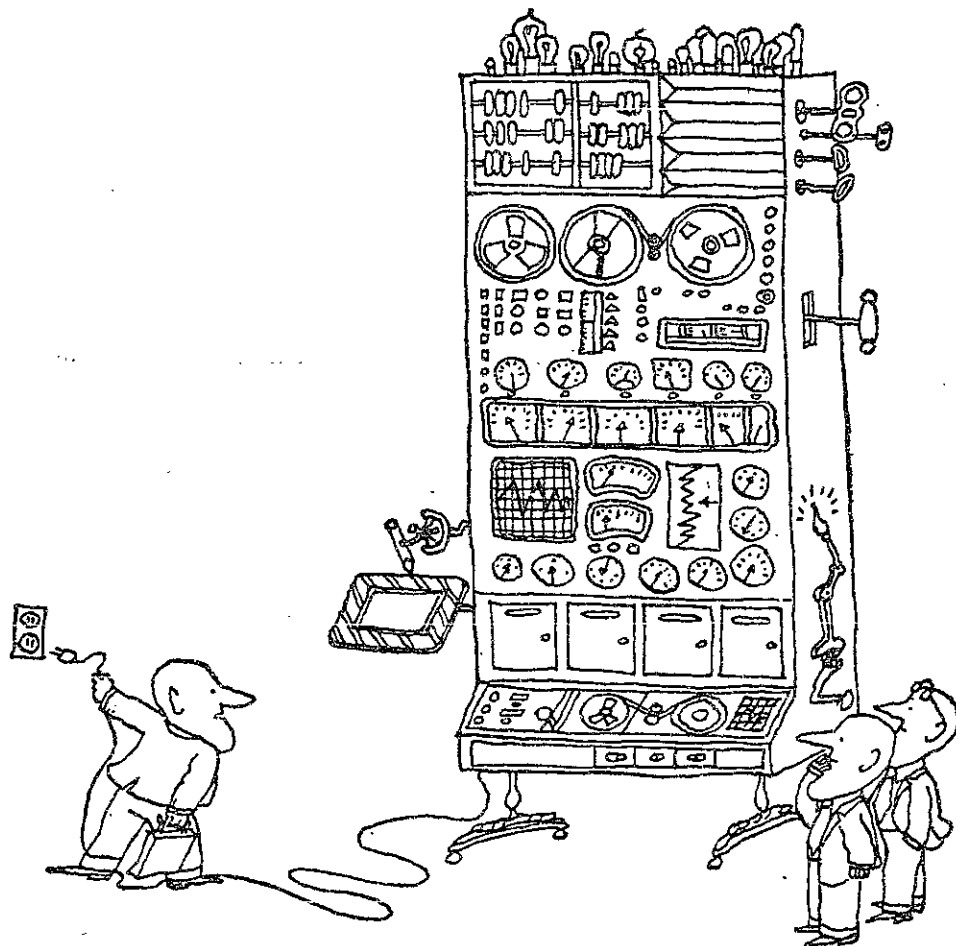
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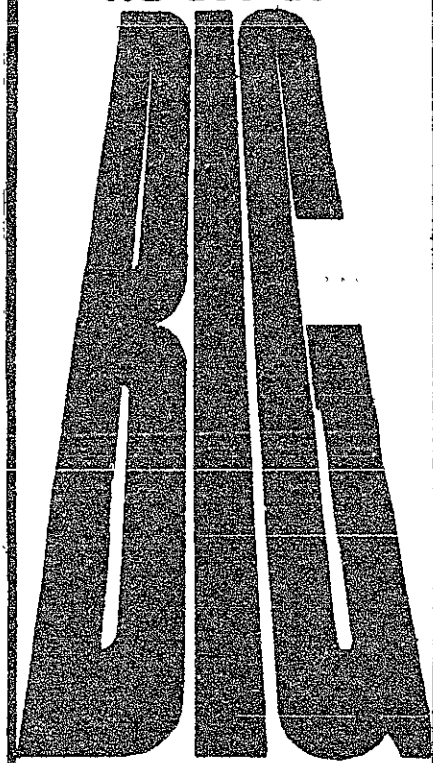
a practical way to lock a door or turn off an oven by remote telephone control, or to make possible some of the other things we'll have someday.

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Making the Scene

M	T	W	T	F	S
11	12	13	14	15	16
18	19				

MUSIC

Boston Symphony Orchestra — Charles Munch, guest conductor; Faure's 'Pelleas et Melisande', Suite from the incidental music to Wagner's 'Tristan und Isolde'; Honnegger's 'Symphony No. 2' for String Orchestra; Schubert's 'Symphony No. 2' in B-flat major; Ravel's 'La Valse'; Dec. 6, 8:30; Symphony Hall.

Boston Symphony Orchestra — Elliot Forbes, conducting, with the Harvard Glee Club and the Radcliffe Choral Society; Berlioz's 'L'Enfance du Christ'; Op. 25; Dec. 9, 2 pm, Dec. 10, 8:30 pm; Symphony Hall.

Boston Symphony Orchestra — Pension Fund Concert, Erich Leinsdorf and Orchestra plus guests: Misha Dichter, pianist, Stephen Kates, cellist, Sen. Edward Kennedy, narrator; Dvorak's 'Cello Concerto in B minor, Op. 104'; Senator Kennedy narrates Copland's 'A Lincoln Portrait'; Tchaikovsky's 'Piano Concerto No. 1'; Dec. 11; Symphony Hall; special student half price tickets, \$2 to \$3.50.

New England Conservatory — students of Miklos Schwalb; concert of piano music by Schumann, Kirchner, Brahms, and Falla; Dec. 6, 8:30; Jordan Hall; free.

New England Conservatory — annual Christmas Choral Concert by the Conservatory Chorus, John Oliver, conducting; 'Ancient French Carols'; Sutermeister's 'Mass in E flat minor'; Bach's 'Cantata No. 150-Nach dir Herr, verlanget mich'; and Britten's 'Rejoice in the Lamb'; Dec. 7, 8:30 pm; Jordan Hall; free.

New England Conservatory — a program of ensemble music, produced by Robert Brink; Dec. 12, 8:30 pm; Jordan Hall; free.

THEATRE

Boston University — BU Drama Club presents Albee's 'The Sandbox' and 'The American Dream'; Dec. 7, 8, 8:30 pm; George Sherman Union; \$1.50.

Loeb Drama Center — Sir George Etherege's 'The Man of Mode, or Sir Fopling Flutter'; opens Dec. 8, 8:30 pm.

MIT — Dramashop presents Shaw's 'Heartbreak House'; Dec. 8, 9, 10, 8:30 pm; Little Theatre, Kresge; \$1.50.

Tufts Arena Theatre — 'Tis Pity She's a Whore,' by John Ford; opens Dec. 9, 8:15 pm; \$2.

MISCELLANEOUS

Ford Hall Forum — Dr. Herbert Aptheker and Prof. I. Milton Sacks discuss 'The United States in Vietnam: An Appraisal'; Dec. 11, 8 pm; Jordan Hall.

MIT — Poetry reading by A. R. Ammons; Dec. 7, 8:30 pm; Hayden Library Lounge; free.

MIT — Lecture on 'Revolution and Freedom' by Professor Hannah Arendt; Dec. 7, 7:30 pm; Kresge Auditorium; free.

theatres... Historical play employs Scots dialect

By Jeff Stokes

According to playwright John Arden, 'Armstrong's Last Goodnight' is a play 'founded upon history; and indeed it comes close to being a cross between Shakespeare's 'Macbeth' and Sir Walter Scott's 'Rob Roy'. A student of Scottish or English history would surely find this play fascinating, especially as it is presented in the Scots 'language'. But amongst the laymen 'Armstrong's Last Goodnight' will probably meet mixed reactions, for several reasons.

One of these reasons is that we usually go to the Theatre Company of Boston's productions expecting a more contemporary scene, with profound, poetic lines reflecting the existential trend of modern thinking. The Arden play is almost reversion to (or revival of, depending on your tastes in theatre) the Elizabethan era; Johnny Armstrong has all the elements of a tragic hero, except that he doesn't speak in iambic pentameter.

A variety of tongues

The lines are poetic, provided one can grasp enough of the dialect; and this brings us to the second reason why many people may feel a sense of frustration at

'ARMSTRONG'S LAST GOOD-NIGHT: AN EXERCISE IN DIPLOMACY', by John Arden; directed by David Wheeler; cast: Penelope Allen as Meg Elliot, Larry Bryggman as John Armstrong, Charles Siebert as Sir David Lindsay, Joseph Hindy as Alexander McGlass, Naomi Thornton as Janet Elliot, John A. Coe as the Protestant Evangelist, Josephine Lane as Lindsay's Mistress, and Roberta Collinge as her maid; now in production at the Theatre Company of Boston.

this play. The program includes a short glossary of Old Scots terms, which, unfortunately, isn't quite complete. It turns out you have to know a little French, since Sir David Lindsay and his paramour decide to converse for a while in that language; and a knowledge of German may help you with some of the Scots dialect.

A complex subject

Thus for a full appreciation of Arden's work one has to untangle both the language and the chaotic political condition of the Scottish-English border in the fifteenth and sixteenth centuries. At the time of the play, around 1530, it was the custom of the English landlords and Scottish lairds along the border to exchange raids on each other's livestock. King James the Fifth, then in his teens, and his attendant Lords became con-

cerned lest the rampages of these border chieftains bring on another war with England. One of these chieftains was John Armstrong, Laird of Gilnockie, and the play deals with the efforts of the King, and of his Herald and Tutor, David Lindsay, to bring this outlaw to execution.

The tragic hero

Armstrong is a crudely magnificent man, a kind of Nietzschean lion, and a philosopher of 'fraternal' feudalism. He has ideals that are part of his grand egotism, an egotism that is easily flattered into trusting the King; and thus he is brought down by the wiles of lesser men than himself. Crafty Ulysses survived the Trojan expedition, while great soldiers fell all around him; and so lives on David Lindsay, eyes, ears and policy maker of the King, as well as his scheming paramour, who has collaborated in Armstrong's downfall.

In the program notes Arden points out that he hopes to show a basic similarity between the moral problems of the Scottish border wars and those of the Congo conflict. The appreciation of this aspect of the play thus requires some sophistication on the subject of the Congo, which is likewise an intricate and entangled affair.

Breadth of talent

And so you will have to go and decide for yourself whether it leaves you warm or cold. It is a rather grim play, sometimes to the point of being lugubrious; there is a trace of the Shakespearean wit, however, even though the play may not have the universal appeal of the Elizabethan master's work.

For a cast composed entirely or almost entirely of Americans, the Scots dielect was reproduced fairly well. Charles Siebert as Sir David Lindsay and Josephine Lane as his mistress are excellent performers.

Larry Bryggman as John Armstrong is a powerful and convincing tragic hero; and in general the supporting roles were effectively carried out. The Company has demonstrated the breadth of its talents, and if the play is a bit abstruse, the actors are certainly not at fault.

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Hannah Arendt discusses 'Revolution and Freedom'

The Department of Humanities will sponsor a lecture by Professor Hannah Arendt tomorrow at 7:30 pm. She will speak in Kresge Auditorium on 'Revolution and Freedom.' There will be no admission charge.


Born in Germany, she came

to the United States in 1941. Her early activities include working with the Conference on Jewish Relations, and Jewish Cultural Reconstruction. She has been a visiting professor at several institutions, among which are Princeton, Columbia, and Berkeley, and was awarded a Guggenheim fellowship in 1952. Some of her works are 'The Human Condition,' 'On Revolution,' and 'Eichmann in Jerusalem.'

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Trackmen drop opener, 72½-40½; Frosh sports Kozubek, Sydoriak set records

In their first meet of the season the MIT indoor track team lost to Bowdoin, 72½ to 40½. The Techmen took only five firsts in the twelve events and lost the mile relay. Lack of overall team strength was shown as Bowdoin swept the high hurdles, low hurdles, and the shot put.

Stan Kozubek '69 was the only double winner in the meet. He won the mile in 4:29.3, a new meet record, and took the 2-mile in 9:56.7. John Usher '69 also scored in these two events, placing third and second, respectively. Bob Karman '67 and Tom Najarian '69 placed first and second in the 1000 yard run.

MIT's two other first places were scored in the field events. Steve Sydoriak '68 won the pole vault at 15'6", another meet mark. Senior Art VonWaldburg took the high jump at 5'10". Steve Schroeder '67 placed third in the pole vault and Dave Ogrydziak '68 tied for third in the high jump.

In other field events, Greg Wheeler '67 placed second in the long jump while Dave Osborne '67 and Von Waldburg took second and third in the 35 pound weight throw.

Coaches Art Farnham and Gordon Kelly were disappointed in the team's performance, but are looking for a strong comeback against Bates at home Saturday.

Courtmen cop opening game

By Paul Baker

Frosh sports got into the swing of the winter season last weekend, as four teams (basketball, fencing, indoor track, and swimming) competed in opening tilts.

The hoopsters split their two contests, outbattling Trinity 96-85 Thursday night in overtime, and losing to Wesleyan 78-72 Saturday.

Thursday's match was a saw-saw affair in which the lead changed hands several times. Down 81-79 with five seconds remaining, Tech's Bob Vegeler knotted the score with a layup. In the ensuing overtime period, the Engineers completely outthustled

Trinity, scoring 15 points to their 3.

Bruce Wheeler paced the engineers, scoring 35 points. John Vliet chipped in 20, and Steve Chamberlain 19. Bob Vegeler and Nick Mumford played excellent board games and added 11 and 10 points, respectively.

Wesleyan Tops Hoopsters

Saturday the freshman play was disappointing as they blew a 19 point lead in losing to Wesleyan. Tech was very ragged in the first half, but still managed to build a 17 point lead, due to the outstanding shooting of Steve Chamberlain. On the whole, the team had difficulty scoring; they missed several layups, dropped passes and threw the ball away.

As the second half started, the engineers settled down and held a 60-41 advantage. Wesleyan suddenly caught fire, however, and chipped away the lead. With only a few minutes remaining, they surged ahead and hung on to a 78-72 victory.

For MIT, Chamberlain led the scoring connecting for 27 points. Bob Vegeler played well, pulling down rebounds and scoring clutch points. Bruce Wheeler, with 10, ran into foul trouble and missed part of the game.

Fencers Fall to Harvard
The fencing team fell prey to

Harvard Saturday, but showed good form against the always tough Crimson.

Harvard won both the foil and sabre competition by a 6-3 margin. Tim Lundeen, Tony Vila and Paul Carrood each won one and lost two in the foil. Dave Rapoport, George Wood, and John Carroll also were 1-2 in the sabre.

The epee was Tech's bright spot in the competition; they triumphed 5-4. Paul Murphy swept all three of his matches, while Bob Wallace won 2 and lost 1. Vince Fazio failed to register a victory.

Swimmers Sink Bowdoin

Tech's frosh swimmers opened their season on a winning note, outkicking Bowdoin 49-45. Tech wasted no time showing their winning ways as they took the 400 yd. opening medley relay. The relay team composed of Don Richey, Steve Kinney, J. C. Bronfenbrenner, and Tom Bultman registered a time of 4:17.5.

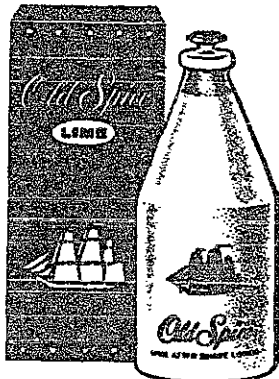
Tech's only double winner, Jeff Ellison, captured the 50 and 100 yd. freestyle, while Tom Walton finished second in the 200 yd. butterfly and first in the 200 yard breaststroke. In addition J. C. Bronfenbrenner placed first in the 200 yd. butterfly and Bob Rorschach finished first in the diving.

Trackmen Top Bowdoin

The indoor trackmen outlegged Bowdoin 79-24 Saturday in an impressive victory. The frosh won 13 events in all, with Ben Wilson placing first in the mile and 1000 yd. run with sensational times of 4:21.1 and 2:19.6. Joel Hemmelsstein finished first in the 40 yd. dash and second in the long jump. B. A. Lautenschlager placed first in both the weight and shot put, with tosses of 40' 5¾ inches and 42' 11½ inches respectively.

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Wrestling (JV) — Emerson, here, 7:30 pm

Swimming (V&F) — Tufts, here, 6:30 pm

Wednesday, December 7

Basketball (F) — Exeter, here, 4 pm

Fencing (V) — Harvard, here, 7 pm

Thursday, December 8

Basketball (V) — Lowell Tech, away, 8 pm

Hockey (V) — Lowell, away, 6 pm

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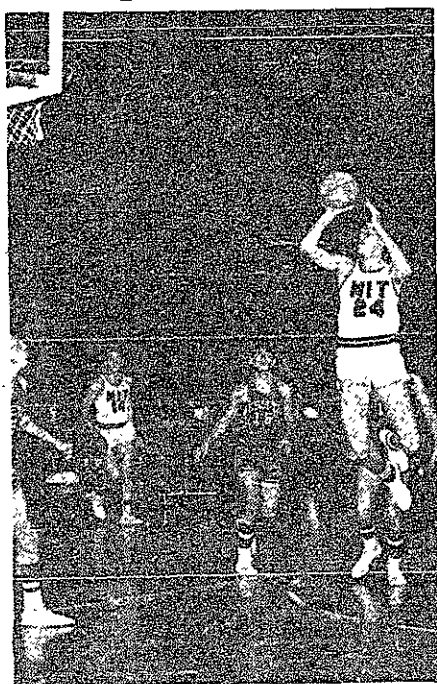


Photo by Jeff Reynolds
Dave Jansson '68 shoots as Bob Ferrara '67 and several Wesleyan players look on. MIT downed Wesleyan 77-63.

performance, but in a game marred by ragged play and the calling of 58 fouls — 29 by each team—it was hardly a fair test. Both sides had many opportunities to show their disapproval with the officiating.

Wesleyan jumped out in front early hitting shots from the outside over Tech's zone defense. The engineers were controlling the boards and getting scoring opportunities, but were unable to connect. With his troops trailing 14-7 after seven minutes of play, Coach Jack Berry switched to a man-to-man, and MIT began to crawl back into contention. A Ray Ferrara jump shot sent them into the lead with just 5:30 left in the half. Shortly before the half ended, Jansson twice found Hardt open under the basket for two easy buckets, giving the Beavers a 33-29 lead at intermission.

Foul shooting sharp

The second half saw the play become even more frantic and the fouling more frequent. But Tech's greater accuracy from the foul line gave them a steadily increasing lead so that when Wilson fired a length of the court pass to Jansson for a lay-up, MIT led 46-34 with 14:35 remaining.

However Hardt and Bob Ferrara had each picked up their fourth foul by this time and were replaced by Alec Bash '68 and Talus. The 6'5" Bash was particularly strong off the backboards while Talus drove effectively incurring many fouls.

With just over five minutes left Wesleyan trailed by 22, and under normal circumstances the game would be all but over. But Jansson had fouled out a minute before, Hardt and Ferrara had returned to the game and they picked up their fifth fouls within the next fifteen seconds. The visi-

tors began pressing all over the court, forcing MIT into making bad passes and committing violations.

In the next three minutes they narrowed the gap to 11, Tech holding a 70-59 lead with 2:16 remaining. A Wilson field goal and two foul shots by Talus finally wrapped up the victory, which ended at the score of 77-63.

MIT's scoring was unusually well balanced. Talus' 17 points, including 11 from the line, were game high. Wilson bounced back from his off-night Thursday with 16, Jansson had 15 and Hardt 13. Tonight the Beavers hope to sharpen up when they play at Brandeis in an 8:15 contest.

	Totals		
MIT	46	30	76
Trinity	30	45	75
MIT	29	34	63
Wesleyan	33	44	77

Fencers fall to Brooklyn Polytech; face Harvard tomorrow evening

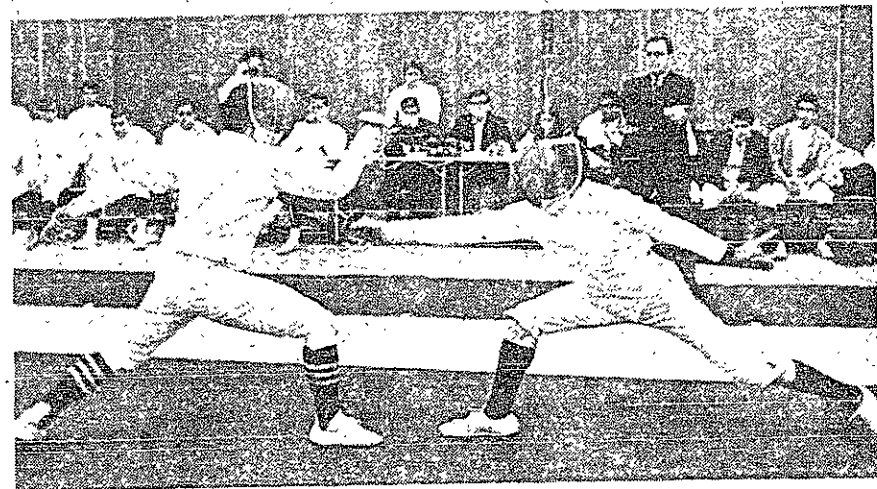


Photo by John Roderick

Curt Marx '68 (on right) launches an attack against Brooklyn Polytech saberman Steiner. Marx later inflicted the only loss to the Brooklyn Polytech saber team. Coach Vitale's fencers dropped their season opener 11-16.

By George Wood

MIT's fencers fell to a fine Brooklyn Polytech team 11-16 Saturday. The meet was much closer than the score indicates.

The critical losses came in the foil, even though the engineers took the event 6-3. If the Techmen could have pulled through the three foil losses, all of which ended 5-4, they could have come out on top for the day. Burt Rothberg '68 and Leonard Zucker '67 were 2-1 in their foil competition.

The future looked bright for the MIT fencers, however, as the sophomores made a fine showing.

Bob Markey '69 displayed good form as he went 2-1 in epee. Tom Lamb '69, another newcomer to the epee team, beat the opposing captain 5-1. Despite these wins and a 1-1 performance by captain Bill Murray '67, the final epee score was 5-4 for Brooklyn Polytech. One of the best matches of the meet was by Pete Hayward '69 as he won 5-0 in his only foil match. Curt Marx '68 had the only win of the day for the sabre team as the strong Brooklyn Polytech sabre team won 8-1. The next meet for the Tech fencers is tomorrow at 7 a.m. against arch-rival Harvard.

Schramm lost a close match to Beech of Syracuse.

At 123, Bill Harrfiss '68 lost his first match to Long of Coast Guard by a single point, 2-1. Long picked up the point with only a spare second of riding time, 1:01. After drawing a bye in the second round, Bill went on to win decisions over Christiansen of Farleigh-Dickinson and Rothe of RPI before being eliminated from the tourney by Jemmott of Hofstra, 5-3. Jemmott went on to take second place overall.

Erickson wins three

Soph Gregg Erickson lost his first match to C. W. Post's Hannis, but won his next three matches with decisions over Ryerson of UMass, DeMarco of New York Maritime, and Hull of Coast Guard. The loss which took Erickson out of the meet came at the hands of Army's Fowler, who went on to take fourth place in the division.

Another soph, Jack Maxham, made the second round with a decision over Stevens of RPI, only to come up against eventual second place finisher Lacks of Farleigh-Dickinson in his second match. After a decision loss to Lacks, however, Jack went on to defeat Harben of Coast Guard and Palprineri of UMass before being eliminated by Moyer of Westchester. Moyer finished third overall. At 145, John Reynolds '67 was unexpectedly called in at the last minute to fill in for Bill Thilly '67. Wrestling well over his natural weight of 130, John lost his first two matches by decision.

Fishback impressive

Although he took no place, John Fishback '68 made an impressive showing. After a shaky start, in which he beat Keown of UMass on riding time, and lost to Post's Bill Reinhardt, John went on to beat Mangan of Merchant Marine and demolish Mike Larrabee of Coast Guard, 11-1, before losing to Hofstra's Berman, who eventually placed second.

At 160, Hank DeJong '67 had the misfortune in his first match to run up against Gaunt of Maritime. Gaunt took first place in his division, and was voted outstanding wrestler of the tournament. Hank won his next three matches before losing to Nardotti of Army, the eventual fourth place finisher. Soph Keith Davies won his first two matches at 177, against Merchant Marine's Rehm, and RPI's Abranovic. In his last two matches, Keith lost to the third and second place finishers, Maritime's Detweiler and Army's Harter, respectively.

Swimmers down Bowdoin, break freestyle relay mark

By Jeff Goodman

MIT outswam Bowdoin 50-45, Saturday avenging last year's 54-41 loss. Saturday showed the team's definite strengths and weaknesses in a meet which wavered in score and was in question until the last event.

Luis Clare '69, Larry Preston '68, Steve Mullinax '69, and John McFarren '68, the 400-yard medley relay team, beat Bowdoin's four to give MIT a 7-0 lead. Last year's captain Mike Crane '67 swept the 50 free in 23.3.

Clare was a favorite in the 200-yard individual medley but finished third, tiring after the 400-yard medley. Bill Stage '69, however, gained first coming from last place in the last 50 yards. Tech's ace diver Dan Gentry '68 won the diving, but Bowdoin placed second and third. After five events, MIT led Bowdoin 26-17. The engineers were weak in the 200-yd. fly, as Rich Dorman '69 came third while Bowdoin's Stackpole and Spencer were one and two. Bill Stage swam to second in the 100 free as Bowdoin's Ridgeway was first in 51.6, with Samp third. Now Bowdoin led MIT 31-30.

Clare and Mullinax finished one and three in the 200-yard backstroke to pull 2 points ahead of Bowdoin. Captain Larry Preston won the 200-yard breaststroke in 2:34.9 with Tom Nesbitt '69 and Gardner of Bowdoin almost tied behind him. In a disputed decision Gardner was awarded second.

Now the score was 45-43 Bowdoin. The seven-point, 400-yard freestyle relay would decide the winner. Lee Dilley swam the first 100 against Ridgeway, who had previously swept both the 100 and 200-yard freestyle events. Dilley lost about one and a half lengths

on Ridgeway. Mike Crane, swimming strong and fast, pulled even with his opponent and finished his 100 a stroke ahead. John McFarren swam ahead almost half the length of the pool. Bill Stage maintained distance between him and Bowdoin's Scherer to win the meet. Coach Charlie Batterman had hoped this relay could do 3:27. They came through in 3:28.0, to break the existing MIT record of 3:30.1 and win the meet.

UMass 6-1 victor

Tech skaters drop opener

By Steve Wiener

In their season opener Saturday the varsity hockey team bowed to UMass 6-1. The visitors jumped to a two goal lead early in the first period and outskated Tech to control the puck through the majority of the game.

UMass opened up with a press which kept the



Photo by Jeff Reynolds

MIT's defenseman Tom Newkirk '67 battles Charles Hanifan of UMass for the puck in the second period of Saturday's game. Tech bowed to the visitors, 6-1

play on the home half of the ice. With two and a half minutes gone they scored on a face-off. Center Ed Polchlopek took a pass from his right wing Frank Buckler and beat Tech goalie Carleton Bryant '67. The visitors kept the pressure on until Buckler netted the puck following a face-off at 12:33.

The engineers got their first chance to score when a UMass defenseman was penalized for interference at 11:35. However, the offense could not mount a successful power play. UMass raised the count to 3-0 when defenseman Joe Decicco scored on a screen shot at 2:24. The period ended with no further scoring, Bryant totaling fourteen saves for Tech while the UMass goalie needed only six blocked shots to stop the hosts.

The second period saw little change, as the faster visitors continued to outskate the inexperienced engineer squad. They netted three quick goals in the middle of the period; Bill Skowyrza slapped a shot past Bryant at 11:32, and John Narnett tallied on a slap shot from in front of the net and a breakaway in the next two minutes.

Steve Erickson '69 took over the goal keeping in the final period, and blanked UMass with 24 saves. On a power play at 14:10 Mike Harris '67 took a pass from wing Clayton Satow '67 and registered Tech's only score. The contest ended at 6-1.

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